

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph beginning at page 9 line 23 with the following rewritten paragraph:

Figure 2 illustrates the image data which may be collected according to principles of the present invention and shows the problems that may be encountered by medical personnel, such as a radiologist's attempt to interpret the meaning of the various images. The medical images which are obtained can be considered as being organized in ~~a number of different series 29~~ number M of different series 24. Each series 24 is comprised of data which is collected by a single technique and its corresponding imager settings. For example, one series 24 may be made up of T1 weighted images. A second series 24 may be made up of T2 weighted images. A third series 24 may be made up of a spin echo sequence (SE). Another series 24 may be made up of a STIR or inversion recovery sequence. A number of series may be obtained during the data collection process. It is typical to obtain between six and eight series 24 and in some instances, ten or more different series 24 of data for a single patient during a data collection scan.

Please replace the paragraph beginning at page 13 line 5 with the following rewritten paragraph:

In a preferred embodiment, once a slice has been selected in a series. Moving the image data from one series to another will display the same slice number in the different series. The medical personnel may thus look at slice number 6 in the T1 series data, then slice number 6 within the T2 series data, then in the same slice 6 in the ~~stir~~-STIR series or any of the other series which is desired. The ability to rapidly examine the same relative slice in each of the series provides significant advantages in performing medical diagnosis. This provides tremendous advantages to medical personnel who wish to compare a slice within one series to another within a particular medical body of interest. Additionally, slices can be organized in a slice set and have each slice from the set displayed simultaneously, or in sequence, one after the other so as to provide improved interpretation and reading by medical personnel. Adjacent to

series selection box 56 is a slice identification box 58. This indicates which slice number is currently being examined of the total slices which are available.